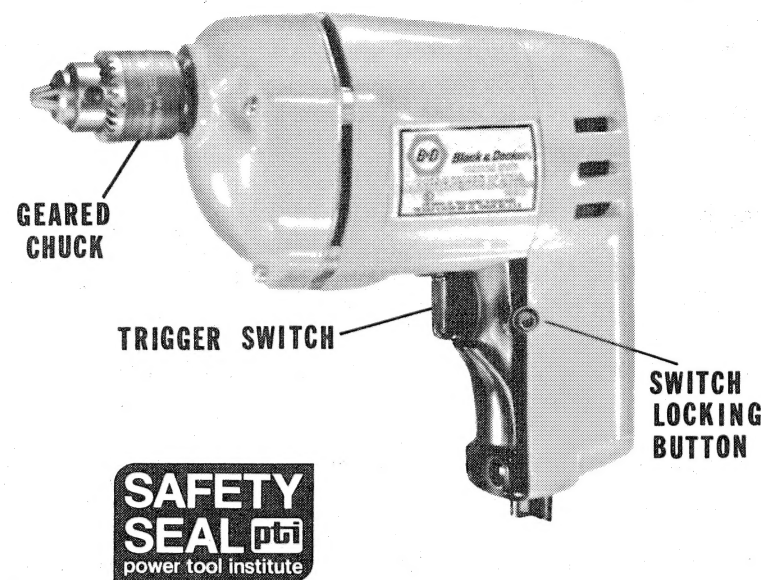




OWNER'S MANUAL



1/4" DRILL #7000

Capacity: 1/4" holes in steel; 1/2" in hard-wood. 115 Volts A.C. 1.9 Amps. 1/7 H.P. 2250 R.P.M.

3/8" DRILL #7100

Capacity: 3/8" holes in steel; 3/4" in hard-wood. 115 Volts A.C. 2.0 Amps. 1/7 H.P. 1000 R.P.M.



SAFETY RULES FOR POWER TOOLS

- 1) **KNOW YOUR POWER TOOL** — Read owner's manual carefully. Learn its applications and limitations as well as the specific potential hazards peculiar to this tool.
- 2) **GROUND ALL TOOLS — UNLESS DOUBLE-INSULATED.** If tool is equipped with three-prong plug, it should be plugged into a three-hole electrical receptacle. If adapter is used to accommodate two-prong receptacle, the adapter wire must be attached to a **known ground**. **Never** remove third prong.
- 3) **KEEP GUARDS IN PLACE** and in working order.
- 4) **KEEP WORK AREA CLEAN.** Cluttered areas and benches invite accidents.
- 5) **AVOID DANGEROUS ENVIRONMENT.** Don't use power tool in damp or wet locations. And keep work area well lit.
- 6) **KEEP CHILDREN AWAY.** All visitors should be kept safe distance from work area.
- 7) **STORE IDLE TOOLS.** When not in use, tools should be stored in dry, high or locked-up place — out of reach of children.
- 8) **DON'T FORCE TOOL.** It will do the job better and safer at the rate for which it was designed.
- 9) **USE RIGHT TOOL.** Don't force small tool or attachment to do the job of a heavy duty tool.
- 10) **WEAR PROPER APPAREL.** No loose clothing or jewelry to get caught in moving parts. Rubber gloves and footwear are recommended when working outdoors.
- 11) **USE SAFETY GLASSES** with most tools. Also face or dust mask if cutting operation is dusty.
- 12) **DON'T ABUSE CORD.** Never carry tool by cord or yank it to disconnect from receptacle. Keep cord from heat, oil and sharp edges.
- 13) **SECURE WORK.** Use clamps or a vise to hold work. It's safer than using your hand and it frees both hands to operate tool.
- 14) **DON'T OVERREACH.** Keep proper footing and balance at all times.
- 15) **MAINTAIN TOOLS WITH CARE.** Keep tools sharp at all times, and clean for best and safest performance. Follow instructions for lubricating and changing accessories.
- 16) **DISCONNECT TOOLS.** When not in use, before servicing; when changing accessories such as blades, bits, cutters, etc.
- 17) **REMOVE ADJUSTING KEYS AND WRENCHES.** Form habit of checking to see that keys and adjusting wrenches are removed from tool before turning it on.
- 18) **AVOID ACCIDENTAL STARTING.** Don't carry plugged-in tool with finger on switch.



Black & Decker.
POWER TOOLS

THE BLACK & DECKER MFG. CO., TOWSON, MD. 21204, U.S.A.
Form No. 97711 AL

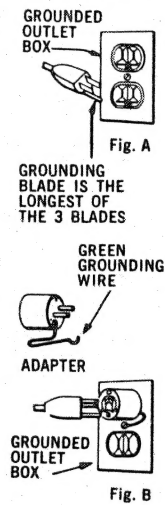
Printed in U.S.A.

GROUNDING

EVERY ELECTRIC TOOL SHOULD BE GROUNDED while in use to protect the operator against shock. This unit is equipped with approved 3-conductor cord and 3-blade grounding type attachment plug to be used with the proper grounding type receptacle. The green colored conductor in the cord is the grounding wire. Never connect the green wire to a "live" terminal.

If your unit requires less than 150 volts, it has a plug that looks like fig. "A". A special grounding adapter (Fig. "B") is available from your dealer to permit using 2-wire receptacle until the correct receptacle is properly installed. The green grounding wire extending from the side of the adapter must be connected to a PERMANENT GROUND such as a properly grounded outlet box.

If you use an extension cord, be sure that it is a 3-conductor, grounding-type cord. Grounding must be continuous from the tool plug to a grounded receptacle.



EXTENSION CORD

When using the tool at a considerable distance from power source, a 3-conductor, grounding-type extension cord of adequate size must be used for safety, and to prevent loss of power and over-heating. Use the table at right for 115 volt tools. For 220-volt tools, see same chart but use a wire size corresponding to an extension cord length shown which is $\frac{1}{2}$ the length of extension to be used. P.T.I. Safety Rule #12 applies to Extension Cords as well as the Tool Power Cord. Before using cords, inspect them for loose or exposed wires and damaged insulation. Make any needed repairs or replacement before using your power tool.

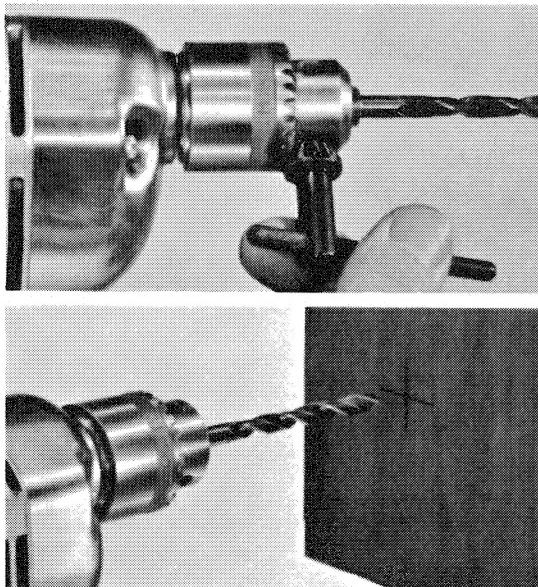
Ext. cable length
in feet.....25 50 75 100 150 200

Required wire size
(A.W.G.) in cable..18 18 18 18 16 16

SWITCH

To start drill, depress trigger switch; to stop drill, release trigger. To lock trigger in "ON" position for continuous operation, depress trigger and push in locking button (located next to trigger). To release locking mechanism, depress trigger and release.

DRILLING



INSERTING DRILL BIT IN CHUCK

Turn collar to open chuck jaws. Place bit in chuck so that end rests on chuck bottom. Tighten chuck collar by hand. Place chuck key in each of the three holes, and tighten in clockwise direction. It's important to tighten chuck with all three holes. This is a safety feature that prevents bit slippage and motor damage. To release bit, turn chuck key counter-clockwise in just one hole, then loosen chuck by hand.

STARTING THE HOLE

A drill bit will slip around on a smooth surface. To overcome this, center punch an indentation at the point to be drilled. Place chucked drill bit in the indentation and turn drill 'ON'.

CARE IN DRILLING

Twist drills are brittle and will break if enough bending stress is applied. To avoid stress on the drill bit, try extending your index finger along the side of the drill-housing with your middle finger on the trigger. Remember—guide, the tool, don't force it! Should the tool become overheated, run it with no load. Because of the drill's construction, it will cool faster running than by stopping it.

TO REMOVE CHUCK for using a threaded shank accessory, first insert key into chuck key hole. Then strike the key sharply with a piece of wood in the direction the chuck rotates when the Drill is turned "ON." This will loosen the chuck shank threads and the chuck may be unscrewed from the Drill.

DRILLING IN METAL

Use a cutting lubricant when drilling metals. The exceptions are iron and brass which should be drilled dry. The cutting lubricants that work best are sulphurized cutting oil or lard oil; bacon grease will also serve the purpose. Aluminum is best drilled with turpentine or kerosene.

DRILLING IN WOOD

Holes in wood can be made with the same twist drills used for metal. These bits may overheat unless pulled out frequently to clear chips from the flutes. For larger holes, use Power Drill Wood Bits with a shank size that will fit your drill's chuck. Work that is apt to splinter should be backed up with a block of wood. Let up on the pressure just before the tip cuts through, this will give a good clean hole. Always leave the drill running when pulling it back out of a drilled hole, this prevents jamming.

DRILL ACCESSORIES

(Available from your Dealer)

DRILL STAND

Gives you the accuracy of a drill press, yet the drill can be removed in a few moments for free-hand work.

HORIZONTAL STAND

This stand converts your drill into a bench machine and frees your hands for buffing, grinding and polishing.

HOLE SAWS

Cut clean, round holes in wood and compositions up to 3/4" thick. Increases the drilling capacity of 1/4" Drills to 1 1/8" holes; 3/8" Drills to 2 1/2" holes. Can be used also on "light metals."

TWIST DRILL BITS

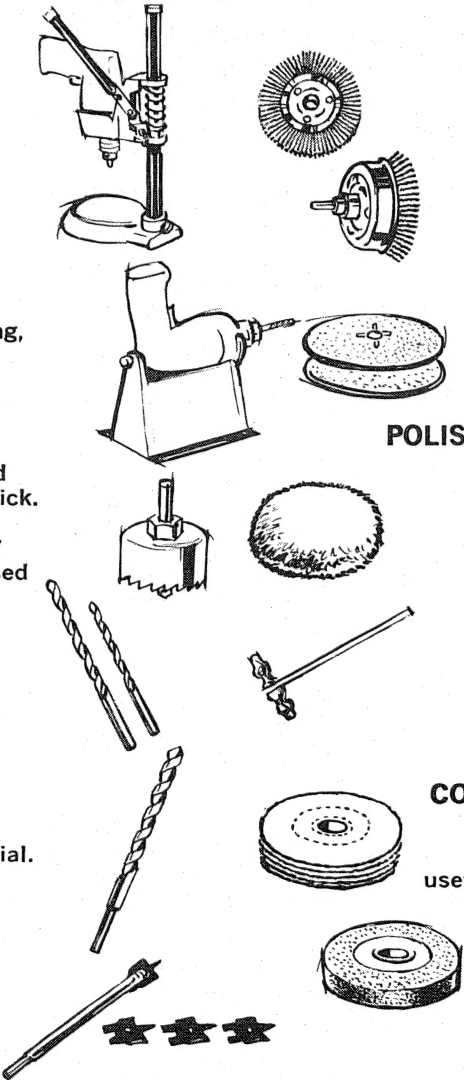
Made of High Speed Steel and will drill wood, steel and plastics.

CARBIDE-TIPPED BITS

For drilling in brick, cement, cinder block and similar material.

WOOD BIT SET

For boring 5/8", 3/4", 7/8" or 1" holes in wood, plywood, masonite, etc.



WIRE WHEEL BRUSHES

These brushes are real labor savers when you have to remove rust, old paint or caked dirt from metal or wood.

SANDING DISCS

Circular discs for your drill come in grades ranging from very coarse, for fast stock removal, to extra fine for smooth finishing.

POLISHING PADS & BONNETS

With the proper compound, you can polish brass, chrome, the car, rub paint and varnish to a beautiful luster.

PAINT MIXER

Mixes paint more thoroughly than hand stirring

COTTON BUFFING WHEELS

Mounted on a wheel arbor, cotton buffing wheels are useful for polishing metal fittings, silverware and plastic.

GRINDING WHEELS

Grinding wheels can be used for sharpening axe heads, tools and many other household supplies.

GUARANTEE

Black & Decker guarantees, for one year from date of purchase, to correct by repair or parts replacement without charge any defect due to faulty material or workmanship. Simply return the complete unit, transportation prepaid, to any Black & Decker Service Center or Authorized Service Station. Naturally, we assume no responsibility for damage caused by misuse, careless handling or where repairs have been made or attempted by others. No other guarantee, written or verbal, is authorized by us.

IF THE TOOL WON'T RUN

First, check the outlet by plugging in another tool or lamp. If these don't work, check the service panel for blown fuses. If current is present, check plugs and sockets for tight fits. If there is something wrong with the tool, don't attempt any major repair on your own. Take it or send it to the nearest Service location shown below for repair. A free parts diagram of your B&D tool is available by writing the Black & Decker Factory Service Center nearest you.

FACTORY SALES & SERVICE BRANCHES



	Area Code	Telephone No.		Area Code	Telephone No.
ALABAMA: Birmingham 35233, 1717 Third Ave., South.....	205	324-6691	NEBRASKA: Omaha 68102, 2218 Leavenworth Street.....	402	345-2330
ARIZONA: Phoenix 85004, 537 E. McDowell Rd.....	602	AL 8-1332	NEW JERSEY: Newark 07104, 868 Broadway.....	201	HU 3-1076
ARKANSAS: Little Rock, 72201, 519 West Seventh Street.....	501	FR 2-3040	NEW MEXICO: Albuquerque 87110, 4700 Lomas Blvd. N.E.....	505	265-6401
CALIFORNIA: Anaheim 92802, 1235 So. Euclid Ave.....	714	772-4050	NEW YORK: Buffalo 14209, 881 W. Delavan Ave.....	716	TT 4-6220
Los Angeles 90007, 2432 S. Broadway.....	213	RI 9-0371	New York 10462, 1894 E. Tremont Avenue (Bronx).....	212	SY 2-2700
Oakland 94606, 1107 E. 14th St.....	415	TE 4-5944	New York 10014, 227 Varick St. (Manhattan).....	212	WA 9-6450
Sacramento 95814, 1915 Seventeenth Street.....	916	444-3188	New York 11377, 56-15 Queens Blvd. (Woodside).....	212	DE 5-1042
San Diego 92105, 3811 El Cajon Blvd.....	714	AT 1-3331	Rochester 14620, 476 Clinton Ave. S.....	716	454-3814
San Francisco 94080, 1139 Airport Blvd.....	415	871-7278	Syracuse 13224, 2140 Erie Blvd. E.....	315	446-3086
Santa Clara 95050, 2291 The Alameda.....	408	241-9162	NORTH CAROLINA: Charlotte 28206, 1710 N. Graham St.....	704	FR 5-3721
Van Nuys 91401, 14920 Victory Blvd.....	213	787-5531	Fayetteville 28306, P.O. Box 4305, Highway 301, S.....	919	425-1181
COLORADO: Denver 80204, 675 Kalamath St.....	303	222-0621	Greensboro 27403, 1008 W. Lee Street.....	919	275-0906
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Falls Church, Virginia 22046, 129 Annandale Road.....	703	533-1147	Dayton 45420, 617 Watervliet Street.....	513	252-1821
FLORIDA: Jacksonville 32208, 5224 Pearl Street.....	904	356-2951	Solon 44139, 6225 Cochran Road.....	216	CH 8-5330
Miami 33168, 13345 N. W. Seventh Avenue.....	305	681-6658	Toledo 43606, 2629 W. Central Ave.....	419	475-6771
Orlando 32806, 940 So. Orange Ave.....	305	423-1651	OKLAHOMA: Oklahoma City 73106, 1318 Linwood Blvd.....	405	CE 2-7515
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Chicago 60643, Beverly Hills, 10708 S. Western Ave.....	312	BE 3-6832	Pittsburgh 15232, 5437 Baum Blvd.....	412	362-2700
Rock Island 61201, 725 30th Street.....	309	788-1744	RHODE ISLAND: E. Providence 02914, 2777 Pawtucket Ave.....	401	434-1655
INDIANA: Evansville 47708, 931 Bond Street.....	812	425-4269	SOUTH CAROLINA: Greenville 29601, 407 Pendleton St.....	803	232-3038
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LOUISIANA: New Orleans 70002, 3310 N. Causeway Blvd.....	504	837-2550	Dallas 75207, 1808 N. Industrial Blvd.....	214	RI 1-6401
MARYLAND: Baltimore 21211, 203 West 28th Street.....	301	HO 7-7411	Fort Worth 76103, 1801 Bomar Street.....	817	ED 6-0175
Baltimore 21205, 4712 Erdman Ave.....	301	485-5550	Houston 77003, 105 Sampson Street.....	713	CA 8-7521
Bladensburg 20710, 4501 Baltimore Avenue.....	301	779-3808	San Antonio 78210, 1111 South Presa Street.....	512	LE 4-4611
MASSACHUSETTS: Boston 02135, 12 Market St. (Brighton).....	617	ST 2-6264	UTAH: Salt Lake City 84115, 1541 S. Second West Street.....	801	HU 6-7056
MICHIGAN: Detroit 48219, 18133 W. McNichols Rd.....	313	534-8880	VIRGINIA: Falls Church 22046, 129 Annandale Road.....	703	533-1147
Detroit 48234, 11360 East Seven Mile Road.....	313	527-5010	Norfolk 23517, 337 W. 21st Street.....	703	627-6888
Grand Rapids 49509, 3662 Clyde Park Ave., S.W.....	616	534-7708	Richmond 23222, 1424 Chamberlayne Ave.....	703	649-9245
MINNESOTA: Minneapolis 55408, 2815 Nicollet Ave.....	612	TA 3-5283	WASHINGTON: Seattle 98119, 701 Third , North.....	206	AT 2-6432
MISSOURI: Kansas City 64108, 2705 McGee Trafficway.....	816	HA 1-1493	Spokane 99207, 3550 North Market Street.....	509	HU 9-9164
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			WISCONSIN: Milwaukee 53213, 6301 Blue Mound Road.....	414	GR 6-7800

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